



**Arizona Department of Transportation**  
**ROADWAY ENGINEERING GROUP**

**MEMORANDUM**

**To:** All Users of the "Roadway Design Guidelines"

**Date:** February 25, 2004

**From:** William J. Lyons, Manager  
Roadway Design Section

**Subject:** Draft Chapters I, 100 and 200  
Roadway Design Guidelines  
Roadway Engineering Group

The Roadway Engineering Group "Roadway Design Guidelines" May, 1996 are being updated to implement changes determined through experience and comments received since the original issue and also to consider significant changes included in the 2001 AASHTO Green Book. Previous guidance has been issued regarding revisions to the superelevation tables and the usage of the AASHTO design vehicles. Of special note is the adoption of the revised AASHTO Stopping Sight Distance formula.

We are issuing revised Chapters I, 100, and 200 in draft form for your use. You may access them online and also download the new chapters on the ADOT Roadway Engineering website at:

[http://www.dot.state.az.us/ROADS/Rdwyeng/updates/Manuals\\_Guidelines/index.html](http://www.dot.state.az.us/ROADS/Rdwyeng/updates/Manuals_Guidelines/index.html)

We welcome your feedback, comments, corrections and input on the new chapters. As we continue to work on the remainder of the chapters in the RDG, there may be need to revise some wording or sections. These changes will be reflected in the final guidelines to be published in the future.

For those of you that are underway with current designs and concepts, the following general guidance is provided:

- a) If final design has started, continue with the design criteria in the final scoping documents. If the new RDG values provide an opportunity to meet new criteria where previously a design exception was required, please document the change and advise so that we can get some feedback on the impacts to projects.
- b) If working on a Design Concept Report or other scoping document, an evaluation needs to be made with the design team project manager on whether the implementation of the new design guidelines are timely and appropriate. Roadway Design will be available to assist in this determination.

Please distribute this memo to all design personnel, project managers and consultants in your Groups. Thank you for your attention to the draft guidelines. We look forward to your feedback, comments and inquiries.

C: Roadway Engineering Group  
Statewide Project Management  
Valley Freeway Group  
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Engineering Consultant Services  
Construction Group  
District Engineers (10)

FHWA  
Local Government  
Regional Traffic Engineers (4)  
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